


<b>DRILLING LOG</b>		<b>DIVISION</b> South Atlantic	<b>INSTALLATION</b> Jacksonville District	<b>SHEET 1</b> <b>OF 2 SHEETS</b>
<b>1. PROJECT</b> Duval County FL BEC Borrow Area B1			<b>9. SIZE AND TYPE OF BIT</b> See Remarks	
<b>2. BORING DESIGNATION</b> CB-DUC04-29			<b>10. COORDINATE SYSTEM/DATUM</b> State Plane, FLE (U.S. Ft.)	
<b>3. DRILLING AGENCY</b> Alpine Ocean Seismic Survey, Inc.			<b>11. MANUFACTURER'S DESIGNATION OF DRILL</b> Vibracore	
<b>4. NAME OF DRILLER</b> James F. Cole			<b>12. TOTAL SAMPLES</b> 4	
<b>5. DIRECTION OF BORING</b> <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED			<b>13. TOTAL NUMBER CORE BOXES</b> 1	
<b>6. THICKNESS OF OVERBURDEN</b> N/A			<b>14. ELEVATION GROUND WATER</b> Tidal	
<b>7. DEPTH DRILLED INTO ROCK</b> N/A			<b>15. DATE BORING</b> 04-17-04	
<b>8. TOTAL DEPTH OF BORING</b> 19.8 Ft.			<b>16. ELEVATION TOP OF BORING</b> -49.6 Ft.	
			<b>17. TOTAL RECOVERY FOR BORING</b> 99 %	
			<b>18. SIGNATURE AND TITLE OF INSPECTOR</b> William H. Brenner, Geologist <i>William H. Brenner</i>	

ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/1 FT.	N-VALUE
-49.6	0.0		SAND, poorly-graded, mostly fine-grained sand-sized quartz, trace silt, trace shell up to 2", weak reaction with HCl, wet, N 7/ light gray (SP)	100			-49.6 Vibracore		0
				100	1		-52.6 Vibracore		
				100			-53.6 Vibracore		
			At El. -54.6 Ft., strong reaction with HCl	100			-55.6 Vibracore		5
				100	2		-56.6 Vibracore		
-58.6	9.0		CLAY, lean, low plasticity, soft, some fine-grained sand-sized sand, little silt, trace shell up to 2", N 7/ light gray (CL)	100			Vibracore		10
			At El. -60.1 Ft., firm, weak reaction with HCl, weak cementation, 5GY 7/1 light greenish gray				-61.6 Vibracore		
			At El. -61.6 Ft., soft	100	3		-62.6 Vibracore		
				100			Vibracore		
							-64.6		15

DRILLING LOG (Cont. Sheet)			INSTALLATION			SHEET 2 OF 2 SHEETS																	
PROJECT			COORDINATE SYSTEM/DATUM		HORIZONTAL	VERTICAL																	
Duval County FL BEC			State Plane, FLE (U.S. Ft.)		NAD27	MLLW																	
LOCATION COORDINATES			ELEVATION TOP OF BORING																				
X = 412,758 Y = 2,183,304			-49.6 Ft.																				
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE														
-69.2	19.6			100	4		Vibracore																
-69.4	19.8			95			Vibracore																
			NOTES:																				
			1. Soils are field visually classified in accordance with the Unified Soils Classification System.																				
			2. Laboratory Testing Results																				
			<table border="1"> <thead> <tr> <th>SAMPLE ID</th> <th>SAMPLE DEPTH</th> <th>LABORATORY CLASSIFICATION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>3.0/4.0</td> <td>SP*</td> </tr> <tr> <td>2</td> <td>6.0/7.0</td> <td>SP*</td> </tr> <tr> <td>3</td> <td>12.0/13.0</td> <td>CL*</td> </tr> <tr> <td>4</td> <td>15.0/16.0</td> <td>CL*</td> </tr> </tbody> </table>	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	3.0/4.0	SP*	2	6.0/7.0	SP*	3	12.0/13.0	CL*	4	15.0/16.0	CL*					
SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION																					
1	3.0/4.0	SP*																					
2	6.0/7.0	SP*																					
3	12.0/13.0	CL*																					
4	15.0/16.0	CL*																					
			*Lab visual classification based on gradation curve. No Atterberg limits.																				
			3. Additional Laboratory Testing																				
			2 Specific Gravity																				